

## Writing a Hypothesis

*Writing a correct hypothesis is an important step in the Scientific Method. The following are samples of problems or questions that can be answered by using the SM. Read the following problems or questions and write a hypothesis for each. Remember, a hypothesis is written like this: "If [I do this], then [this will happen]." (Fill in the blanks with the appropriate information from the experiment.) It is an educated guess as to what YOU think will happen.*

1) How does salt affect water's freezing point?

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2) Does fertilizer help to make tomato plants grow more tomatoes?

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3) What brand of sneaker will allow a person the jump the highest?

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4) How are student's grades affected by watching TV?

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5) What liquid will make a nail rust the quickest?

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6) Will vinegar soften the shell of an egg?

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7) How does air pollution affect the temperature of our planet?

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8) Does the color of your hair affect how much static electricity it produces?

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9) How does exercise affect heart rate?

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10) Does smoking cigarettes increase a person's chance of getting lung cancer?

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## Writing a Materials List and Procedure

*The materials list and procedure are two other important steps in designing an experiment and using the scientific method. The materials list should contain any supplies, tools, etc... needed to complete the task. The procedure should be written in list form with each step numbered. Your procedure needs to be written with enough detail so that any individual repeating the experiment after you have done it can achieve the exact same results.*

*Make a materials list and write a DETAILED procedure (take NO step for granted... no matter how simple!) to complete the following task.*

**Objective:** To make a peanut butter and jelly sandwich.

**Materials:** \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

[illegible]